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K-TL-342, Part 3

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LABORATORY DIVISION

MONTHLY ACTIVITIES REPORT (U)

"Disposal of
Chromate
Cleaning Solutions" Only

SEPTEMBER 1973

DECLASSIFICATION AUTHORIZED
Large Printing DOE-ORO
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DATE

to
Wm. J. Wilcox, Jr.
Technical Director
Production Plants

J. C. Barton
Division Superintendent

October 10, 1973

UNION
CARBIDE

OAK RIDGE GASEOUS DIFFUSION PLANT
OAK RIDGE, TENNESSEE

prepared for the U.S. ATOMIC ENERGY COMMISSION
under U.S. GOVERNMENT Contract W-7405 eng 26

3151

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J. H. Junkins
Classifying Official

Technical Information
Department Head
Title of Position

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OCT 15 1973

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Disposal of Chromate Cleaning Solution - C. C. Wright and B. K. Salmon

[Keywords: Disposal, Chromate]

At the request of the Waste Management and Pollution Control Department, a disposal procedure has been established for 2800 gallons of spent chromic acid cleaning solution from the K-1401 cleaning area. The solution will be diluted in a neutralization pit and the chromium reduced to the trivalent state with sodium sulfite and precipitated as hydroxide with lime.

The slurry will be pumped to an excavated area, dried, and covered with fill dirt. The supernatant liquid will contain less than 1 ppm of soluble chromium. The operation will require approximately 700 pounds of sulfite and 500 pounds of lime. The cost of required chemicals is less than \$100.

RESEARCH ANALYSIS SECTION - R. B. Farrar

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